Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-12-26-07** **Date: 29-12-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains of Chikkasandra Janatha colony cross roads in ward no.12 Shettyhalli in Shettyhalli sub division.
Agency	:	M/s Inchara Construction, No. 60, 4th Cross Nandhi Nagara, Hesaraghatta Bengaluru-560 090.
Customer's Reference	:	EE/DD/LOA/1479/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-12-17
Sample ID No	:	2017-12-26-07/01
Sample Type	:	ACC 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	27-12-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.13	–
2	Finess by Air permeablity method (m^2/kg, Min)	288.6	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2017-12-26-07** **Date: 30-12-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains of Chikkasandra Janatha colony cross roads in ward no.12 Shettyhalli in Shettyhalli sub division.
Agency	:	M/s Inchara Construction, No. 60, 4th Cross Nandhi Nagara, Hesaraghatta Bengaluru-560 090.
Customer's Reference	:	EE/DD/LOA/1479/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-12-17
Sample ID No	:	2017-12-26-07/03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	27-12-17
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	84	84	8.4	91.6	90-100	90-100	90-100	95-100
3	2.36 mm	133	217	21.7	78.3	60-95	75-100	85-100	95-100
4	1.18 mm	186	403	40.3	59.7	30-70	55-90	75-100	90-100
5	600 micron	178	581	58.1	41.9	15-34	35-59	60-79	80-100
6	300 micron	215	796	79.6	20.4	5-20	8-30	12-40	15-50
7	150 micron	144	940	94.0	6.0	0-10	0-10	0-10	0-15
8	Pan	60	1000	100.0	0.0	---	---	---	---
Result :The tested Sample Conforms to Grading Zone II									

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2018-01-13-06
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore
Address	:	Shettyhalli Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains of Chikkasandra Janatha colony cross roads in ward no 12 Shettyhalli in Shettyhalli sub division
Agency	:	M/s Inchara Construction, No. 60, 4th Cross Nandini Nagara, Hesaraghatta Bangalore-560 090
Customer's Reference	:	EE/DD/LOA/1479/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-01-18
Sample ID No	:	2018-01-13-06/02
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 16/01/2018

Date of test : 06/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Drain Concrete	M20	09/01/2018	06/02/2018	150.22 X 150.21 X 150.19	22565	8.260	505.4	22.4	22.8
2	Drain Concrete	M20	09/01/2018	06/02/2018	150.24 X 150.23 X 150.20	22571	8.280	521.4	23.1	
3	Drain Concrete	M20	09/01/2018	06/02/2018	150.19 X 150.18 X 150.20	22556	8.260	514.3	22.8	

Note:
The results pertain to the samples received and tested.
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Samples will be disposed after 90 days from the date of issue of test certificate

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಬಿ...
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು ಪ...
ಅಸಿ.ಎಂ. ಡಿಪೆ, ಪಶ್ಚಿಮ...

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-03-06 Date: 18/01/2018

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains of Chikkasandra Janatha colony cross roads in ward no.12 Shettyhalli in Shettyhalli sub division.

Agency : M/s Inchara Construction, No. 60, 4th Cross Nandhi Nagara, Hesaraghatta Bengaluru-560 090.

Customer's Reference : EE/DD/LO06/1479/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-01-18

Sample ID No : 2018-01-03-06/07

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	11/01/2018	18/01/2018	150.20 X 150.24 X 150.21	22566	8.298	410.7	18.2	17.8
2	Drain Concrete	M20	11/01/2018	18/01/2018	150.11 X 150.14 X 150.15	22538	8.216	392.2	17.4	
3	Drain Concrete	M20	11/01/2018	18/01/2018	150.13 X 150.17 X 150.19	22545	8.222	399.0	17.7	

Note:
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